

WHAT IS CLAIMED IS:

5/10/11 1 1. A computer-based method, comprising the steps of:
 2 downloading data from a remote site;
 3 requesting a workspace data manager to enable manipulation of the data
 4 and thereby create manipulated data; and
 5 synchronizing the manipulated data with the data stored at the remote site.

1 2. The method of claim 1, further comprising the step of requesting the
 2 workspace data manager to provide an interface for enabling manipulation of the
 3 data.

1 3. The method of claim 2, further comprising the step of using the workspace
 2 data manager interface to request synchronization.

1 4. The method of claim 2, wherein the workspace data manager provides an
 2 interface by creating an instance.

1 5. The method of claim 2, wherein the workspace data manager provides an
 2 interface by providing access to its only interface.

1 10. A system comprising:
2 a communications module for downloading workspace data from a remote
3 site;
4 an application program interface coupled to the communications module for
5 communicating with a workspace data manager to enable manipulation of the
6 downloaded workspace data and thereby create manipulated data; and
7 a general synchronization module coupled to the communications module
8 for synchronizing the manipulated data with the workspace data stored at the
9 remote site.

1 11. The system of claim 10, further comprising an instantiator for requesting
2 the workspace data manager to provide an data manipulation interface for enabling
3 manipulation of the downloaded workspace data.

1 12. The system of claim 11, wherein the data manipulation interface enables a
2 request to synchronize the data.

1 13. The system of claim 11, wherein the workspace data manager creates
2 another instance of the interface to enable manipulation of the data.

- 1 14. The system of claim 11, wherein the workspace data manager provides
2 access to its only interface to enable manipulation of the data.

- 1 15. The system of claim 10, further comprising a data reader for translating the
2 downloaded workspace data from the format used by the remote site to the format
3 used by the workspace data manager.

- 1 16. The system of claim 11, further comprising a de-instantiator for deleting the
2 data manipulation interface after manipulation of data is no longer required.

- 1 17. The system of claim 10, wherein the data stored at the remote site has not
2 changed and therefore includes the downloaded data.

- 1 18. The system of claim 10, wherein the data stored at the remote site has been
2 modified, and therefore is different than the downloaded data.

- 1 19. The system of claim 18, further comprising a content-based synchronization
2 module for synchronizing the data stored at the remote site with the manipulated
3 data.

21. A computer-readable storage medium storing program code for causing a computer to perform the steps of:

- downloading data from a remote site;
- requesting a workspace data manager to enable manipulation of the data and thereby create manipulated data; and
- synchronizing the manipulated data with the data stored at the remote site.

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